Title (en)
LOW-DELAY BUFFERING MODEL IN VIDEO CODING

Title (de)
PUFFERMODELL MIT GERINGER VERZÖGERUNG ZUR VIDEOKODIERUNG

Title (fr)
MODÈLE DE TAMPON À BAS RETARD POUR CODAGE VIDÉO

Publication
EP 2936818 B1 20191009 (EN)

Application
EP 13818050 A 20131210

Priority
- US 201261739632 P 20121219
- US 201261745423 P 20121221
- US 201314036615 A 20130925
- US 2013074104 W 20131210

Abstract (en)
[origin: US2014169448A1] Techniques for low-delay buffering in a video coding process are disclosed. Video decoding techniques may include receiving a first decoded picture buffer (DPB) output delay and a second DPB output delay for a decoded picture, determining, for the decoded picture, a first DPB output time using the first DPB output delay in the case a hypothetical reference decoder (HRD) setting for a video decoder indicates operation at a picture level, and determining, for the decoded picture, a second DPB output time using the second DPB output delay in the case that the HRD setting for the video decoder indicates operation at a sub-picture level.

IPC 8 full level
H04N 19/70 (2014.01); **H04N 19/115** (2014.01); **H04N 19/146** (2014.01); **H04N 19/174** (2014.01); **H04N 19/42** (2014.01); **H04N 19/433** (2014.01)

CPC (source: EP US)
H04N 19/115 (2014.11 - EP US); **H04N 19/146** (2014.11 - EP US); **H04N 19/174** (2014.11 - EP US); **H04N 19/42** (2014.11 - EP US); **H04N 19/433** (2014.11 - EP US); **H04N 19/70** (2014.11 - EP US); H04N 19/172 (2014.11 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014169448 A1 20140619; **US 9374585 B2 20160621**; BR 112015014649 A2 20170711; BR 112015014649 B1 20230207; CN 104854870 A 20150819; CN 104854870 B 20181204; DK 2936818 T3 20200120; EP 2936818 A1 20151028; EP 2936818 B1 20191009; ES 2765038 T3 20200605; HU E047101 T2 20200428; JP 2016506159 A 20160225; JP 2018110425 A 20180712; JP 6545623 B2 20190717; KR 101732294 B1 20170502; KR 20150099792 A 20150901; TW 201440506 A 20141016; TW I530168 B 20160411; WO 2014099489 A1 20140626

DOCDB simple family (application)
US 201314036615 A 20130925; BR 112015014649 A 20131210; CN 201380065800 A 20131210; DK 13818050 T 20131210; EP 13818050 A 20131210; ES 13818050 T 20131210; HU E13818050 A 20131210; JP 2015549461 A 20131210; JP 2018023196 A 20180213; KR 20157019378 A 20131210; TW 102147297 A 20131219; US 2013074104 W 20131210